



Friday 6 June 2014 – Afternoon

FSMQ ADVANCED LEVEL

6993/01 Additional Mathematics

PRINTED ANSWER BOOK

Candidates answer on the Printed Answer Book.

OCR supplied materials:

- Question Paper 6993/01 (inserted)

Other materials required:

- Scientific or graphical calculator

Duration: 2 hours



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

These instructions are the same on the Printed Answer Book and the Question Paper.

- The Question Paper will be found inside the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the Printed Answer Book.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given correct to three significant figures where appropriate.

INFORMATION FOR CANDIDATES

This information is the same on the Printed Answer Book and the Question Paper.

- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is being used.
- The total number of marks for this paper is **100**.
- The Printed Answer Book consists of **20** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

Section A

1	

3(i)	
	3(ii)

4 (i)	
4 (ii)	

5 (i)	

5 (ii)	

6(i)

6(ii)

7(i)	

7(ii)	

8 (i)	
8 (ii)	
8 (iii)	

9(i)	
9(ii)	

10 (i)

10 (ii)

Section B

11 (i)	

11 (ii)	
11 (iii)	

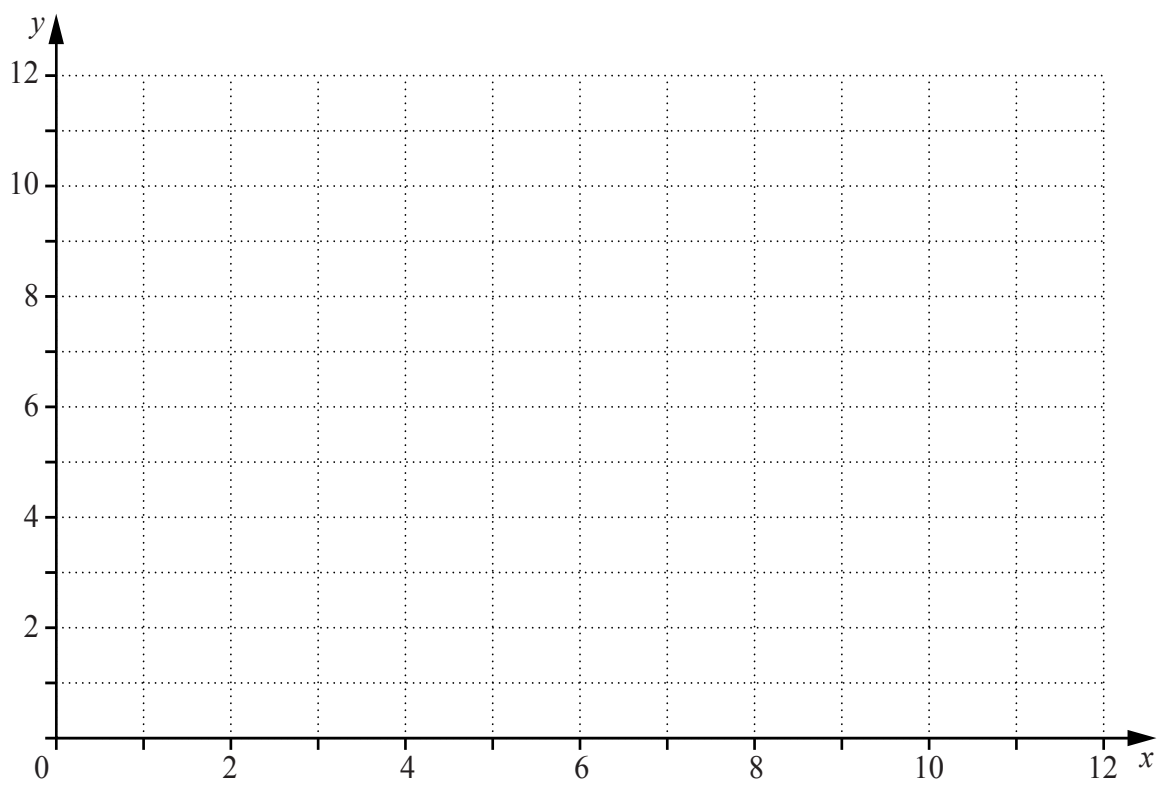
12 (i)	

12 (ii)	

12 (iii)	
12 (iv)	

13 (i)

13 (ii)



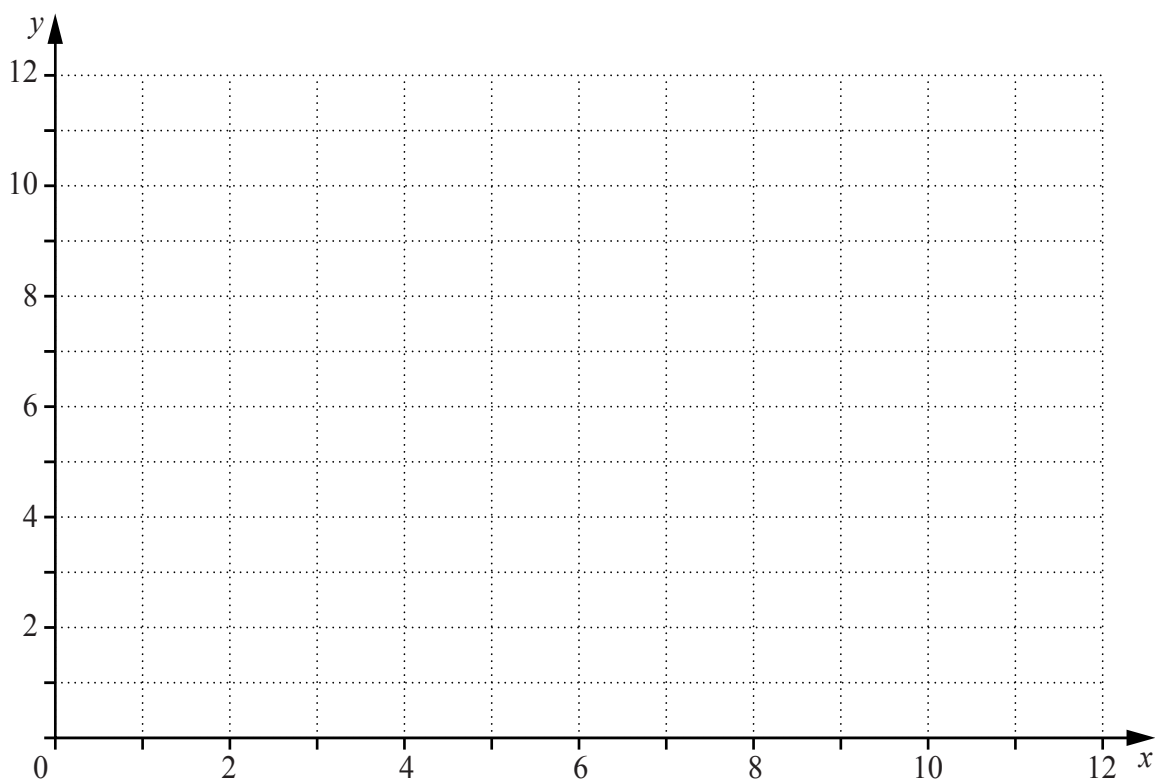
There is a spare copy of this grid on page 20. If you wish to offer a second attempt, then you must cross through the attempt on this page.

13 (iii)	

14 (i)	
14 (ii)	

14 (iii)	

*This is a spare copy of the grid for Question 13(ii).
Only write on this page if you want to offer a second attempt at the graph.
If you do so, then you must cross through the first attempt on page 16.*



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